

GUIDE TO VOLUME IV-C

Volume IV-C of the Proposed Powder River Basin Expansion Project Final EIS contains the following:

- Appendix J - DM&E Rail Siding Plan
- Appendix K - Additional Safety Tables
- Appendix L - Additional Transportation Tables

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APPENDIX J

DM&E Rail Siding Plan

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Table J-1
Proposed Rail Yards for Alternatives B, C and D

Yard	Functions	Dimensions	Alternative Locations	
			Mile Post	Geographic Location (approximate mileage)
East Alternative B Alternative C Far East Alternative D	Staging yard for empty and loaded trains and marshaling yard for grain, manifest, and way freights. UP and CP interchange. Mechanical facilities for emergency repairs. Locomotive refueling. Maintenance of way equipment. Crew base for all train crews starting and finishing work between Utica and Winona.	600 Ft. x 2.1 miles same as Alt. B same as Alt. B	19.7 - 21.8 same as Alt. B same as Alt. B	1.0 mi west of Lewiston to 0.5 mi east of Utica same as Alt. B same as Alt. B
Waseca Alternative B Alternative C Alternative D	Marshaling yard for grain, manifest, and way freights. Base for way freights. Set out and pickup of cars. May contain mechanical equipment for emergency repairs. Locomotive refueling. Maintenance of way equipment.	300 Ft. x 2.2 miles 300 Ft. x 2.6 miles same as Alt. B	105.3 - 107.5 104.3 - 107.0 same as Alt. B	0.25 mi west of Waseca to 5.0 mi east of Janesville western edge of Waseca to 5.5 mi east of Janesville same as Alt. B
Middle East Alternative B Option A Option B Alternative C Option A Option B East Alternative D	Staging yard for empty and loaded trains and marshaling yard for grain, manifest, and way freights. UP interchange at Mankato. Base for way freights. Small amount of maintenance of way equipment. Potential for mechanical facilities in the future.	400 Ft. x 2.4 miles 400 Ft. x 2.3 miles 400 Ft. x 2.5 miles same as Alt. B 400 Ft. x 3.6 miles	147.0 - 149.4 160.5 - 162.8 146.9 - 149.4 same as Alt. B 123.0 - 126.6	4.0 mi west of Mankato to 1.0 mi east of Judson 4.5 mi northwest of Cambria to 0.25 mi southeast of New Ulm 4.0 mi west of Mankato to eastern edge of Judson same as Alt. B 0.25 mi west of Eagle Lake to 2.0 mi northeast of Mankato

Table J-1
Proposed Rail Yards for Alternatives B, C and D

Yard	Functions	Dimensions	Alternative Locations	
			Mile Post	Geographic Location (approximate mileage)
Central Alternative B Alternative C Middle East Alternative D	Center of DM&E operations. Principle inspection and maintenance facility for all coal equipment. Refueling. Central yard for receiving, classification, dispatch, and storage of freight cars. Locomotive repair and maintenance. Pollution control facilities. Extensive maintenance of way facilities. Change of crews on all trains. Interchange with BNSF.	1,000 Ft. x 5.4 miles 1,000 Ft. x 5.0 miles 1,000 Ft. x 3.0 miles	354.3 - 359.7 367.1 - 371.9 316.0 - 319.0	0.3 mi west of Cavour to 1.0 mi east of Huron 2.0 mi west of Huron to 4.0 mi east of Wolsey 2.0 mi west of Hetland to 1.5 mi east of Lake Preston
Middle West Alternative B Alternative C Middle Alternative D	Staging yard for empty and loaded trains. Two marshaling tracks for manifest, grain, and way freight trains. Crew changes. Potential for future maintenance of way track.	300 Ft. x 2.1 miles same as Alt. B same as Alt. B	567.5 - 569.6 590.4 - 592.5 527.0 - 531.0	6.0 mi west of Philip to 3.0 mi east of Cottonwood 0.6 mi north of Wall to 1.5 mi northwest of Wall 2.0 mi southwest of Capa to 1.0 mi east of Midland
West Alternative B Alternative C Option A Option B Alternative D	Base of operations for coal trains. Staging yard for empty trains, and for all trains in the event of a maintenance of way work window. Interchange for BNSF, UP, and DM&E. Coordination of operations. Small maintenance facilities for emergency repairs. Refueling of locomotives and maintenance work trains. Small facility for maintenance of way equipment. Potential for crew lodging and eating facilities due to rural location and potentially severe winter weather.	1,300 Ft. x 3.1 miles 1,300 Ft. x 6.0 miles same as Option A 1,300 Ft. x 5.0 miles	760.0 - 764.0 787.0 - 793.0 787.0 - 791.3 568.0 - 563.0	27.0 mi west of Highway 85 to 5.0 mi east of The Nose, 3.5 mi north of the Niobrara/Weston County Rail Line 1.0 mi west of Campbell/Weston County Rail Line to 5.0 mi east of County Rail Line, 5.5 mi north of Converse County Rail Line 1.9 mi east of Campbell/Weston County Rail Line to 5.0 mi east of County Rail Line, 5.5 mi north of Converse County Rail Line 10.0 mi northwest of Upton to 6.3 mi south of Moorcroft

Table J-2
Siding Locations - Extension Alternative B

Siding Number	State	County	Mile Post
1	MN	Winona	4.4 - 10.0
2	MN	Winona/Olmsted	29.0 - 32.0
3	MN	Olmsted	37.0 - 40.0
4	MN	Olmsted	45.0 - 48.0
5	MN	Olmsted	52.0 - 55.0
6	MN	Olmsted/Dodge	60.4 - 67.0
7	MN	Dodge/Steele	74.0 - 79.0
8	MN	Steele	84.0 - 87.0
9	MN	Steele	92.0 - 98.0
10	MN	Waseca	103.2 - 108.0
11	MN	Waseca/Blue Earth	115.0 - 118.0
12	MN	Blue Earth	123.0 - 131.0
13	MN	Blue Earth	143.0 - 152.0
14	MN	Brown	159.8 -166.0
15	MN	Brown	171.0 - 175.0
16	MN	Brown	180.0 - 189.3
17	MN	Brown	195.0- 198.0
18	MN	Redwood	204.0 -209.0
19	MN	Redwood	214.0 - 217.0
20	MN	Lyon	227.0 - 232.0
21	MN	Lyon	241.0 - 246.0
22	MN	Lincoln	254.0 - 258.0
23	MN	Lincoln	263.0 - 268.0
24	SD	Brookings	275.0 - 278.0
25	SD	Brookings	282.0 - 287.0
26	SD	Brookings	291.5 - 297.0

Table J-2
Siding Locations - Extension Alternative B

Siding Number	State	County	Mile Post
27	SD	Kingsbury	309.0 - 315.0
28	SD	Kingsbury	322.0 - 326.0
29	SD	Kingsbury	332.0- 343.0
30	SD	Beadle	351.9 - 354.3
31	SD	Beadle	365.6 - 376.2
32	SD	Beadle	382.0 - 385.5
33	SD	Hand	391.0 - 394.0
34	SD	Hand	400.0 - 404.0
35	SD	Hand	410.0 - 413.0
36	SD	Hyde	420.0 - 423.0
37	SD	Hyde	431.0 - 435.0
38	SD	Hughes	441.8 - 445.0
39	SD	Hughes	450.3 - 454.5
40	SD	Hughes	459.0 - 462.0
41	SD	Hughes	468.0 - 472.0
42	SD	Hughes	477.0 - 480.0
43	SD	Stanley	488.0 - 492.2
44	SD	Stanley	503.0 - 506.0
45	SD	Stanley/Jones	511.3 - 515.0
46	SD	Jones	522.0 - 526.0
47	SD	Haakon	534.0 - 537.5
48	SD	Haakon	544.0 - 548.0
49	SD	Haakon	556.0 - 559.5
50	SD	Jackson	569.6 - 571.8
51	SD	Jackson/Pennington	578.0 - 583.0
52	SD	Pennington	590.5 - 605.8

Table J-2
Siding Locations - Extension Alternative B

Siding Number	State	County	Mile Post
53	SD	Pennington	616.0 - 620.2
54	SD	Custer	635.0 - 640.0
55	SD	Custer	652.0 - 655.5
56	SD	Custer	658.0 - 665.0
57	SD	Fall River	679.0 - 683.5
58	SD	Fall River	695 - 702.0
59	SD	Fall River	720.0 - 726.0
60	WY	Niobrara	738.0 - 744.0
61	WY	Weston	757.0 - 760.0
62	WY	Weston	764.0 - 767.0
63	WY	Weston	777.0 - 781.0
64	WY	Weston/Campbell	791.0 - 795.0
65	WY	Campbell	813.0 - 817.0
66	WY	Campbell	M3.0 - M6.0
67	WY	Campbell	S0.3 - S5.0
68	WY	Campbell/Converse	S16.0 - S21.0

Table J-3
Siding Locations - Extension Alternative C

Siding Number	State	County	Mile Post
1	MN	Winona	4.4 - 7.0
2	MN	Winona	19.7 - 21.8
3	MN	Olmsted	38.2 - 39.7
4	MN	Olmsted/Dodge	60.4 - 62.0
5	MN	Dodge	65.6 - 67.1
6	MN	Dodge	79.7 - 81.4
7	MN	Steele	90.9 - 93.3
8	MN	Waseca	102.8 - 107.0
9	MN	Blue Earth	124.8 - 131.0
10	MN	Blue Earth	142.4 - 149.4
11	MN	Brown	159.8 - 163.3
12	MN	Brown	181.2 - 185.3
13	MN	Brown	204.2 - 207.7
14	MN	Lyon	227.3 - 230.9
15	MN	Lyon/Lincoln	248.6 - 252.1
16	MN/SD	Lincoln/Brookings	270.7 - 274.2
17	SD	Brookings	291.2 - 296.8
18	SD	Kingsbury	314.9 - 318.4
19	SD	Kingsbury	330.8 - 338.5
20	SD	Beadle	355.4 - 358.9
21	SD	Beadle	365.6 - 367.1
22	SD	Beadle	371.9 - 376.3
23	SD	Beadle	382.0 - 385.5
24	SD	Hand	403.5 - 407.0
25	SD	Hyde	426.0 - 429.5
26	SD	Hughes	440.2 - 443.7

Table J-3
Siding Locations - Extension Alternative C

Siding Number	State	County	Mile Post
27	SD	Hughes	450.0 - 454.5
28	SD	Hughes	467.9 - 471.4
29	SD	Stanley	488.0 - 492.2
30	SD	Jones	511.3 - 515.0
31	SD	Haakon	534.0 - 537.5
32	SD	Haakon	556.0 - 559.5
33	SD	Stanley	579.4 - 583.0
34	SD	Pennington	590.5 - 605.8
35	SD	Pennington	616.0 - 620.2
36*	SD	Custer	638.1 - 642.9
36	SD	Custer	637.5 - 642.3
37*	SD	Custer	656.1 - 662.6
37	SD	Custer	655.6 - 662.1
38*	SD	Fall River	677.4 - 681.9
38	SD	Fall River	676.8 - 681.3
39*	SD	Fall River	697.5 - 702.2
39	SD	Fall River	698.1 - 702.7
40*	SD	Fall River	719.4 - 724.9
40	SD	Fall River	720.0 - 725.5
41*	WY	Niobrara	741.9 - 747.2
41	WY	Niobrara	742.5 - 747.8
42*	WY	Weston	762.5 - 768.1
42	WY	Weston	763.1 - 768.7
43*	WY	Weston	777.2 - 789.9
43	WY	Weston	777.8 - 783.5
44	WY	Campbell	807.4 - 810.9

Table J-3 Siding Locations - Extension Alternative C			
Siding Number	State	County	Mile Post
45	WY	Campbell/Converse	S12.9 - S16.2
* Sidings on the the Phiney Flats/WG Divide Alternative			

Table J-4 Siding Locations - Extension Alternative D			
Siding Number	State	County	Mile Post
1	MN	Winona	4.4 - 11.58
2	MN	Winona	21.8 - 26.0
3	MN	Olmsted	30.0 - 33.0
4	MN	Olmsted	39.72 - 45.28
5	MN	Olmsted	52.0 - 55.0
6	MN	Olmsted/Dodge	60.0 - 64.0
7	MN	Dodge/Steele	74.0 - 79.0
8	MN	Steele	92.0 - 97.0
9	MN	Waseca	103.2 - 108.0
10	MN	Blue Earth	120.0 - 130.0
11	MN	Blue Earth	143.0 - 157.0
12	MN	Brown	166.0 - 172.0
13	MN	Brown	180.0 - 189.0
14	MN	Redwood	203.0 - 209.0
15	MN	Redwood	213.0 - 217.0
16	MN	Redwood	221.0 - 225.0
17	MN	Lyon	229.0 - 235.0
18	MN	Lyon	241.0 - 246.0

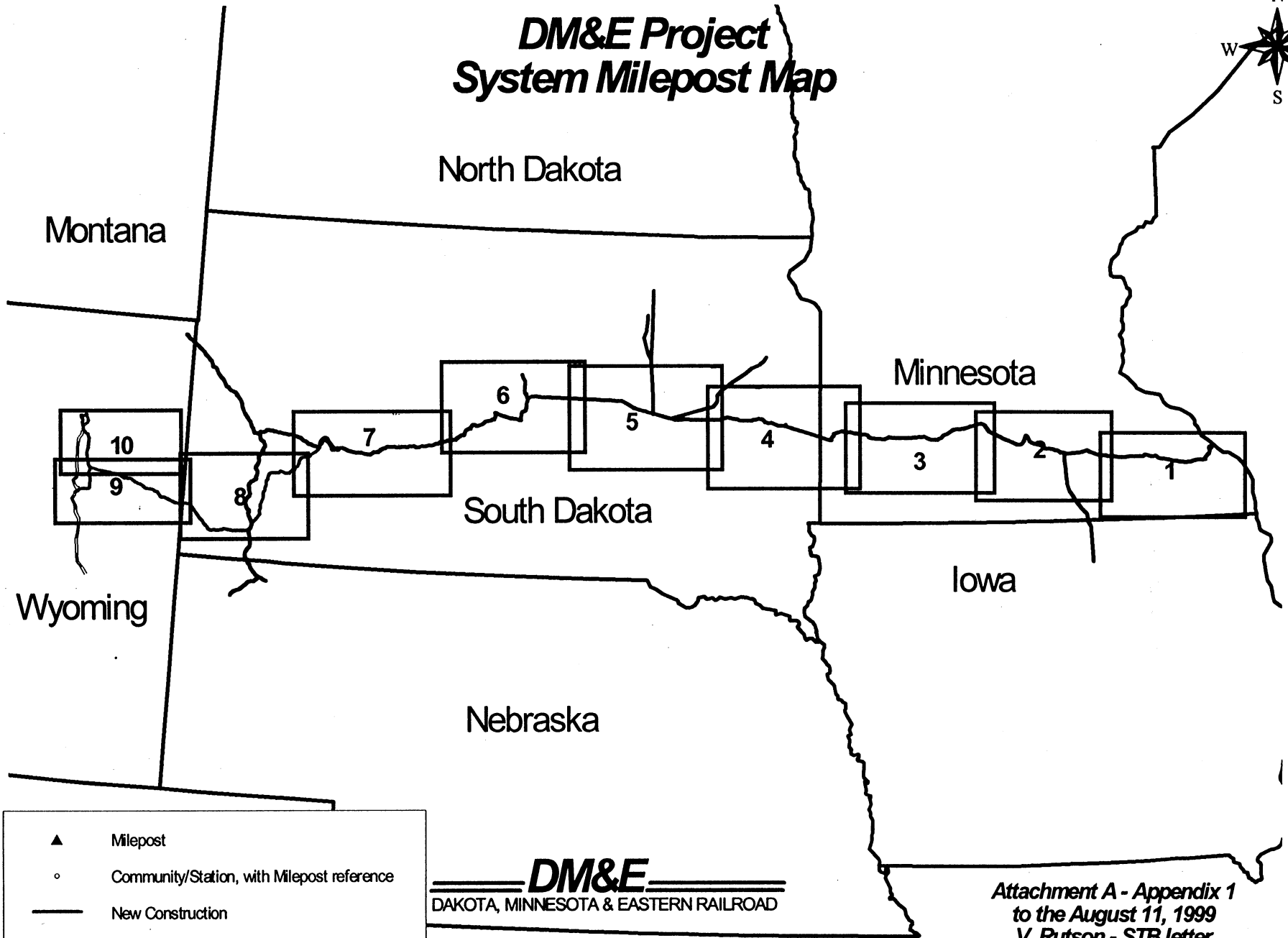
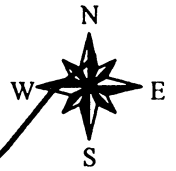
Table J-4
Siding Locations - Extension Alternative D

Siding Number	State	County	Mile Post
19	MN	Lincoln	254.0 - 258.0
20	MN/ SD	Lincoln/Brookings	268.0 - 276.0
21	SD	Brookings	284.0 - 288.0
22	SD	Brookings	291.5 - 297.0
23	SD	Brookings/Kingsbury	309.0 - 316.0
24	SD	Kingsbury	319.0 - 323.0
25	SD	Kingsbury	332.0 - 343.0
26	SD	Beadle	353.0 - 359.0
27	SD	Beadle	366.0 - 376.3
28	SD	Beadle/Hand	385.79 - 392.15
29	SD	Hand	408.6 - 415.45
30	SD	Hyde	428.0 - 436.7
31	SD	Hughes	448.28 - 454.73
32	SD	Hughes	468.0 - 475.0
33	SD	Stanley	487.0 - 491.4
34	SD	Stanley/Jones	510.5 - 517.5
35	SD	Jones/Haakon	523.0 - 527.0
36	SD	Haakon	531.0 - 532.9
37	SD	Haakon	548.0 - 552.0
38	SD	Jackson	567.0 - 570.0
39	SD	Pennington	584.0 - 587.0
40	SD	Pennington	590.0 - 605.0
41	SD	Pennington	611.5 - 615.5
42	SD	Pennington	627.0 - 633.0
43	SD	Pennington	640.0 - 643.0
44	SD	Pennington	96.1 - 94.0

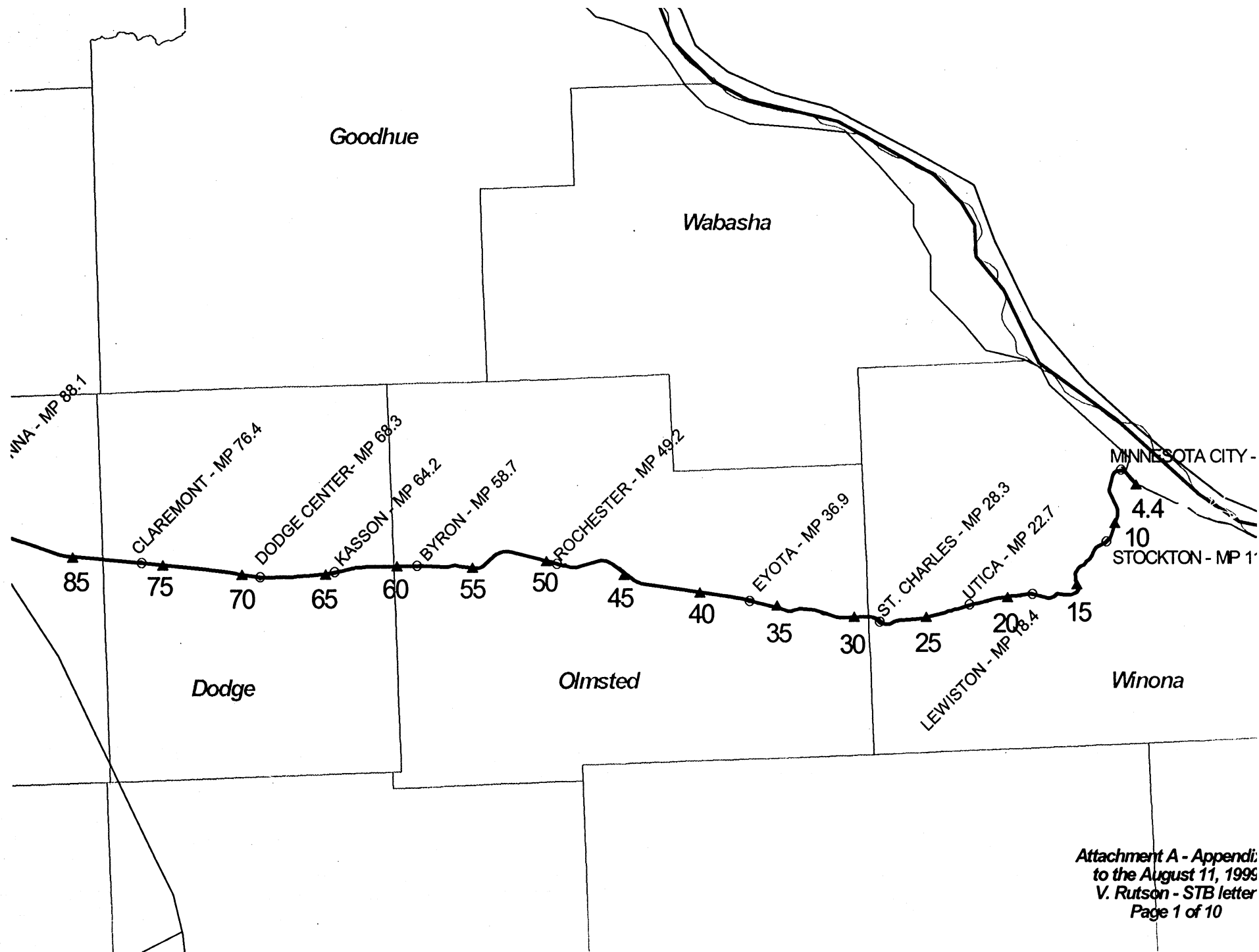
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Siding Locations - Extension Alternative D

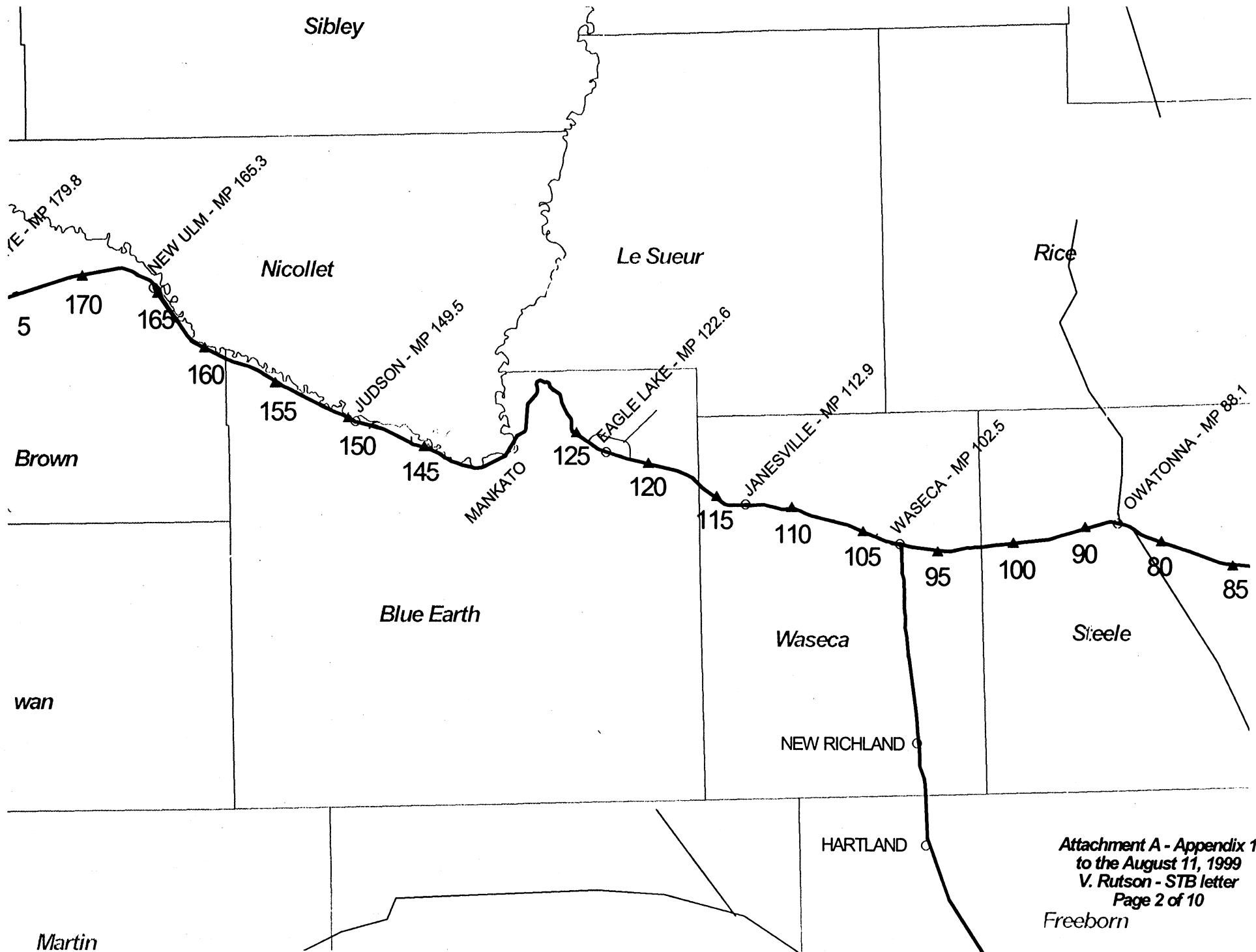
Siding Number	State	County	Mile Post
45	SD	Pennington/Custer	80.0 - 77.0
46	SD	Custer	72.0 - 68.9
47	SD	Custer	65.8 - 62.0
48	SD	Custer	57.0 - 53.0
49	SD	Fall River	39.0 - 36.0
50	SD	Fall River	675.84 - 682.85
51	SD	Fall River	694.57 - 701.0
52	SD	Fall River	717.15 - 722.0
53	SD	Fall River/Custer	487.3 - 492.8
54	WY	Weston	516.0 - 509.0
55	WY	Weston	528.8 - 520.2
56	WY	Weston	556.3 - 547.2
57	WY	Crook	563.0 - 560.0
58	WY	Crook	572.0 - 568.0
59	WY	Campbell	0.0 - 17.0
60	WY	Campbell	27.0 - 32.0
61	WY	Campbell	40.0 - 43.0
62	WY	Campbell	44.0 - 47.0
63	WY	Converse	57.0 - 62.0

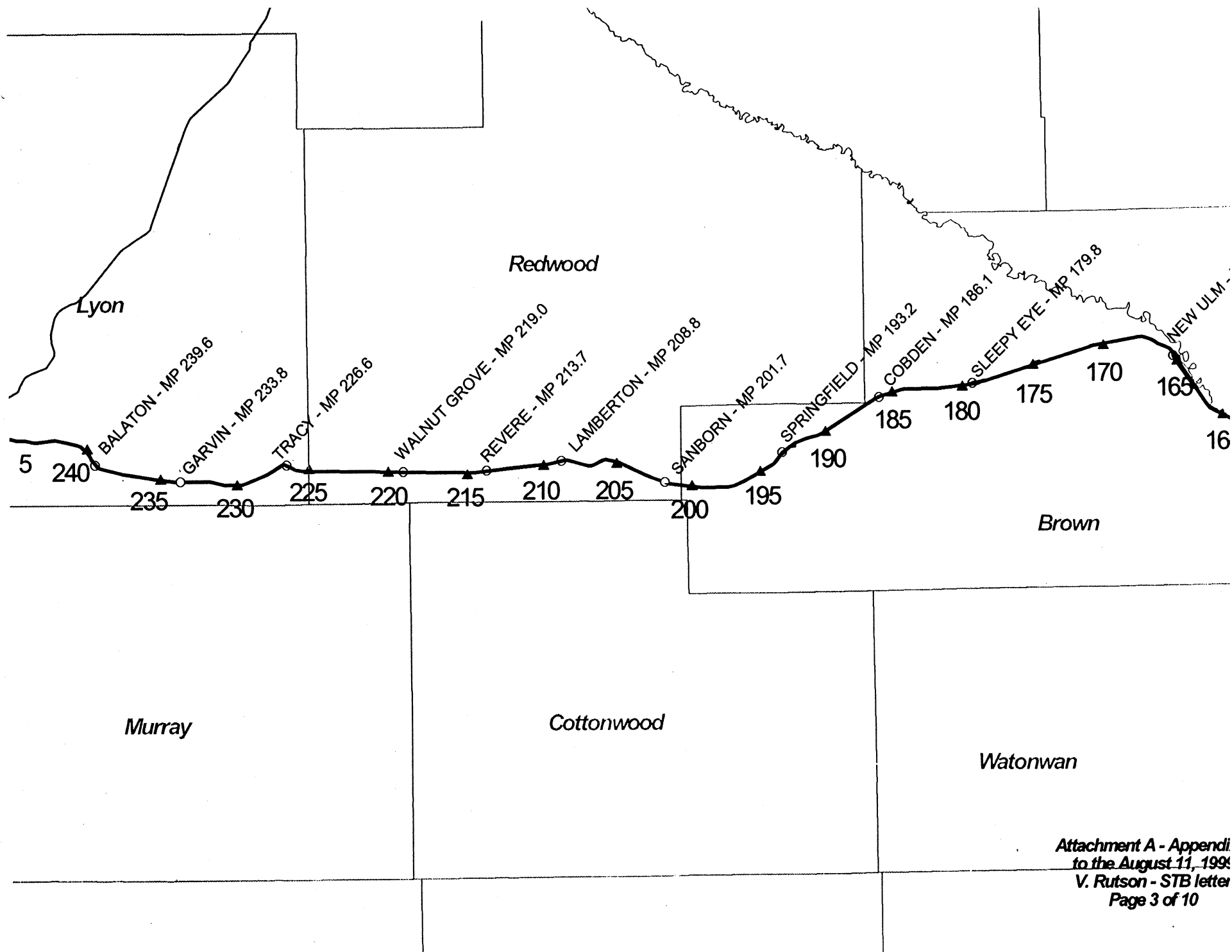
DM&E Project System Milepost Map

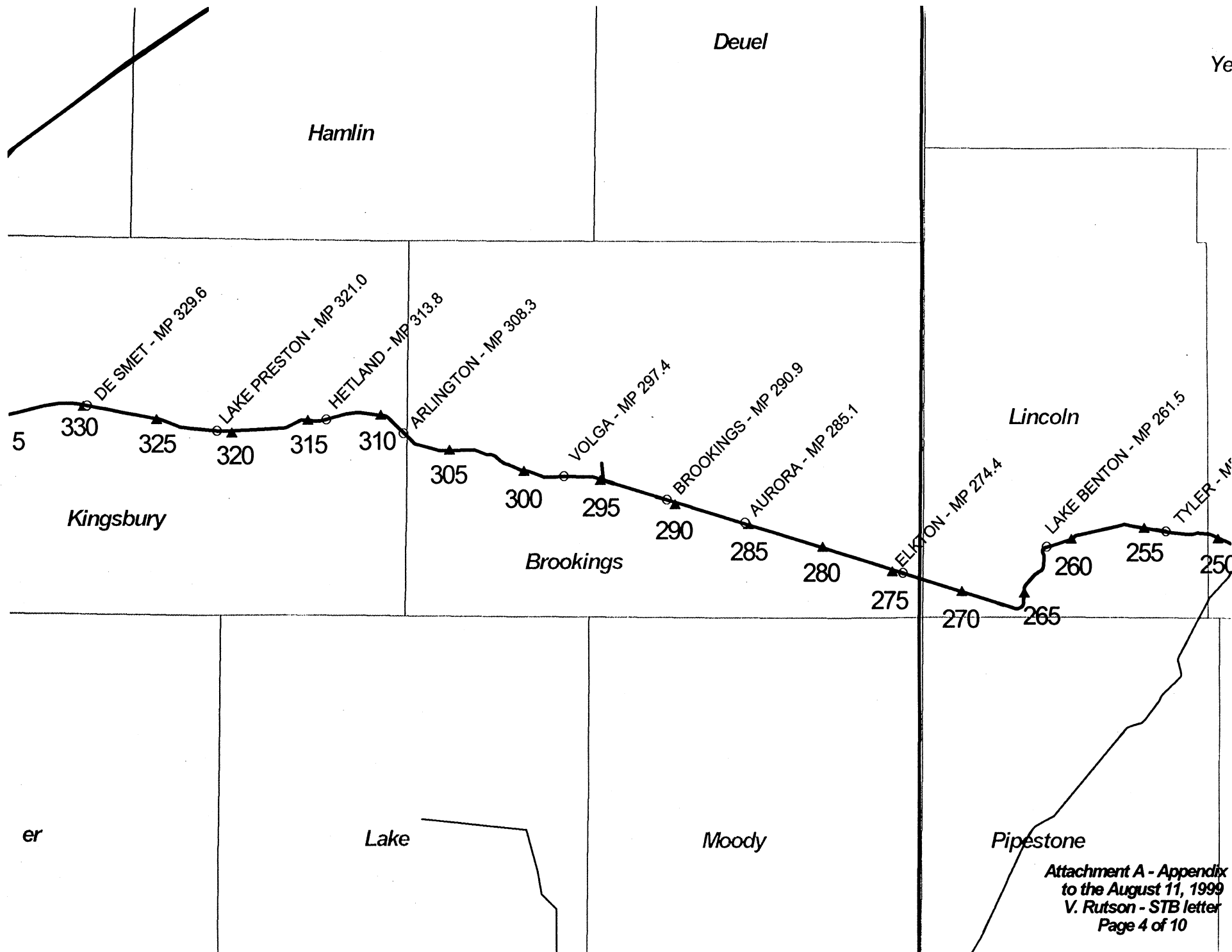


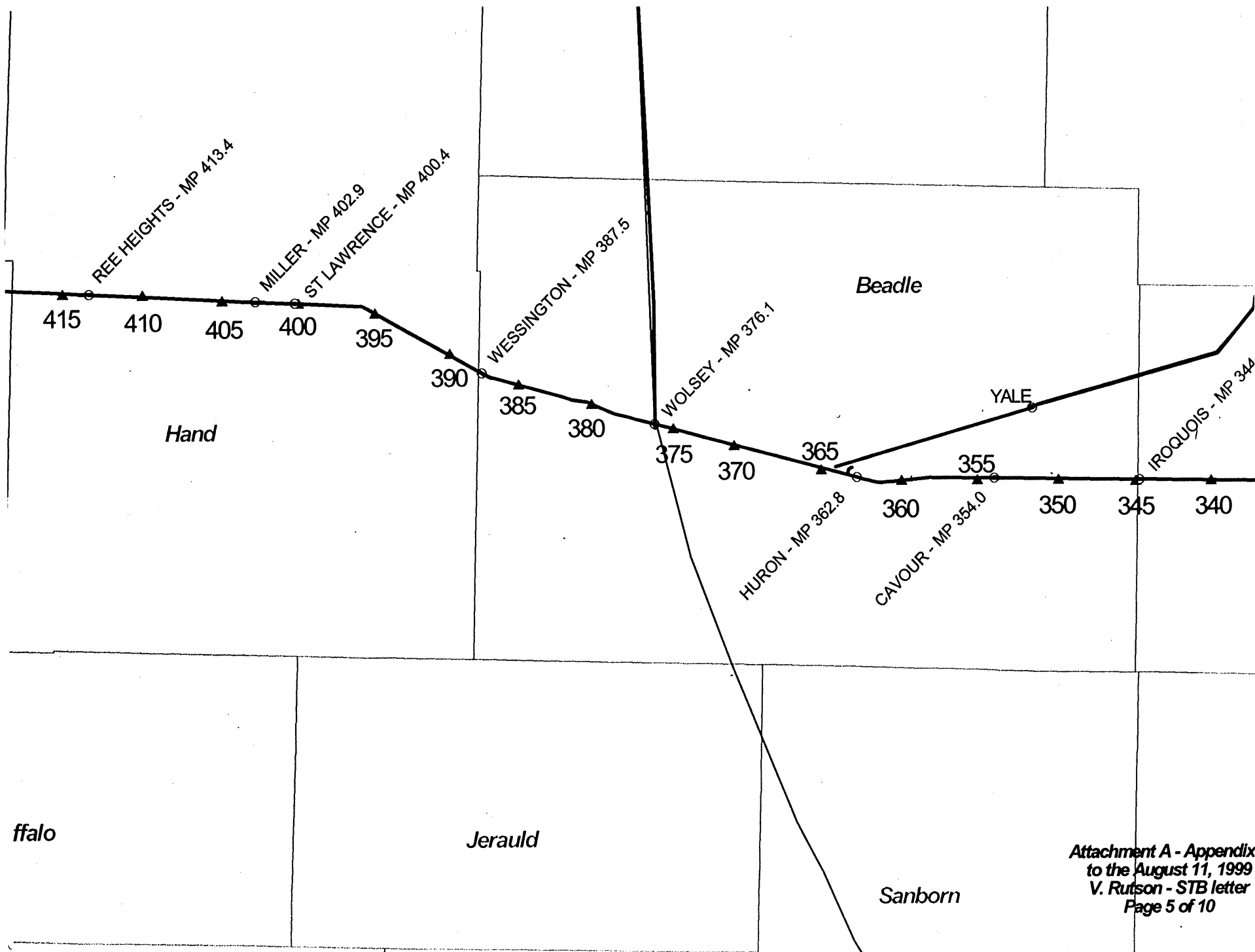
*Attachment A - Appendix 1
to the August 11, 1999
V. Rutson - STB letter
Page Index*

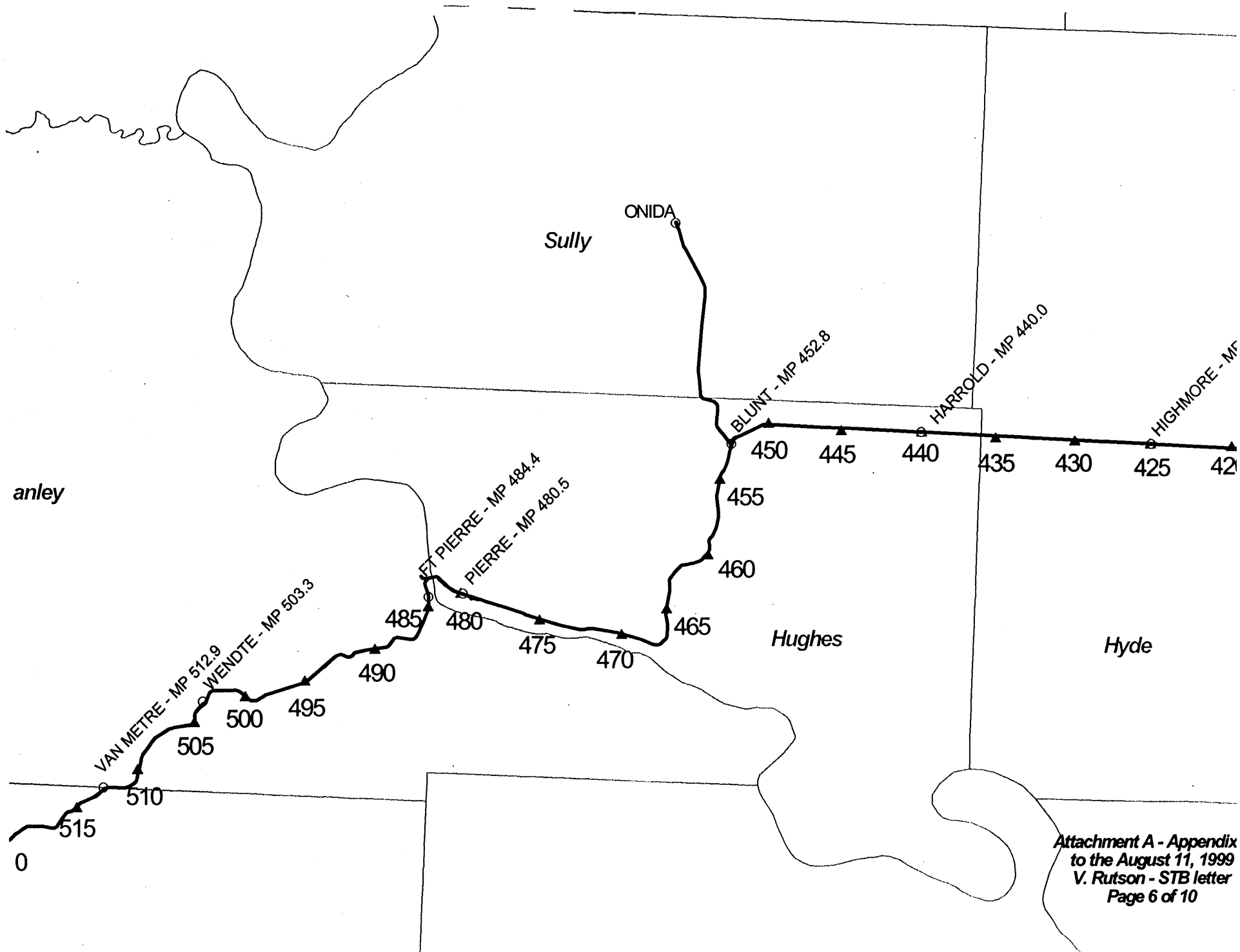


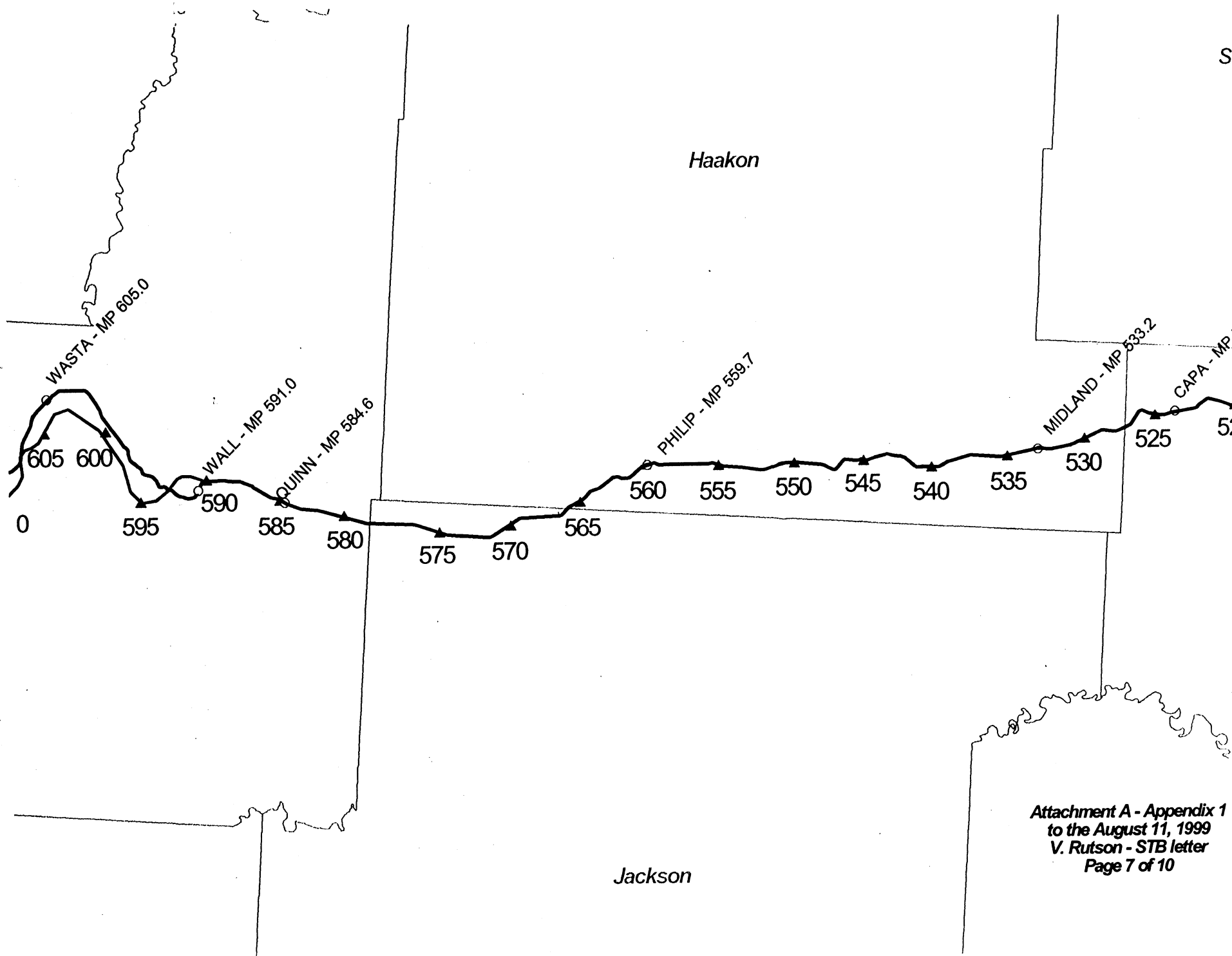


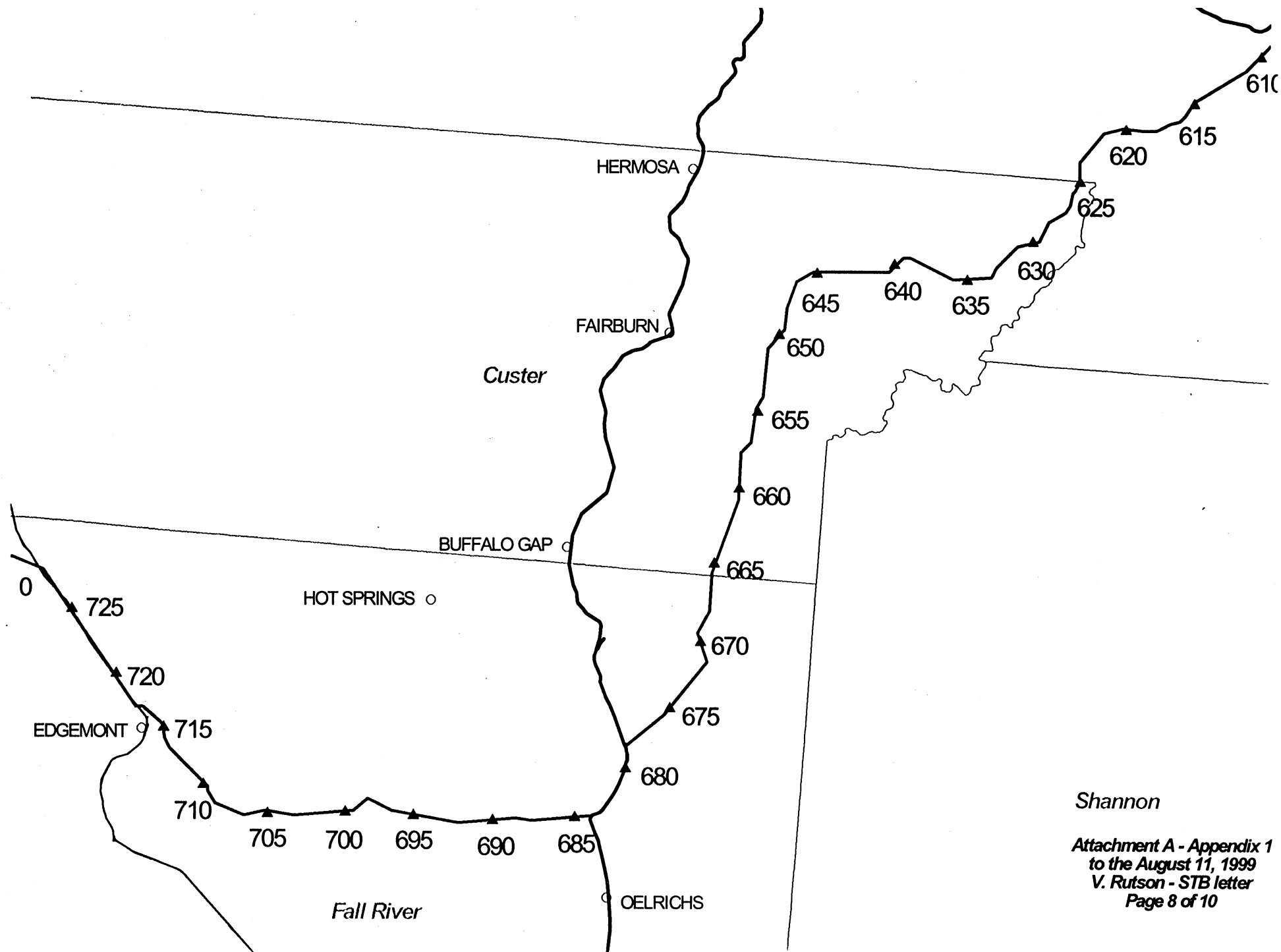






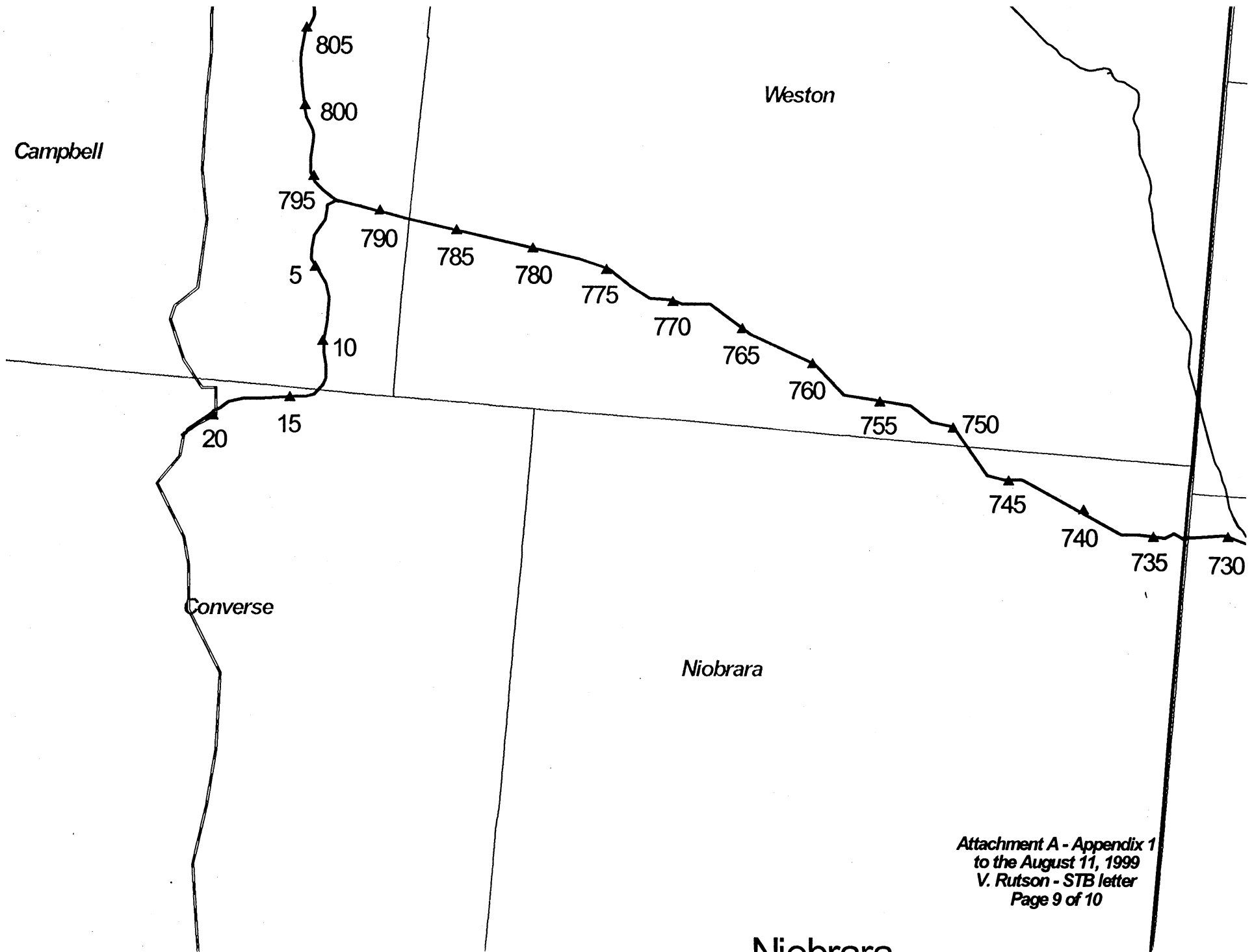


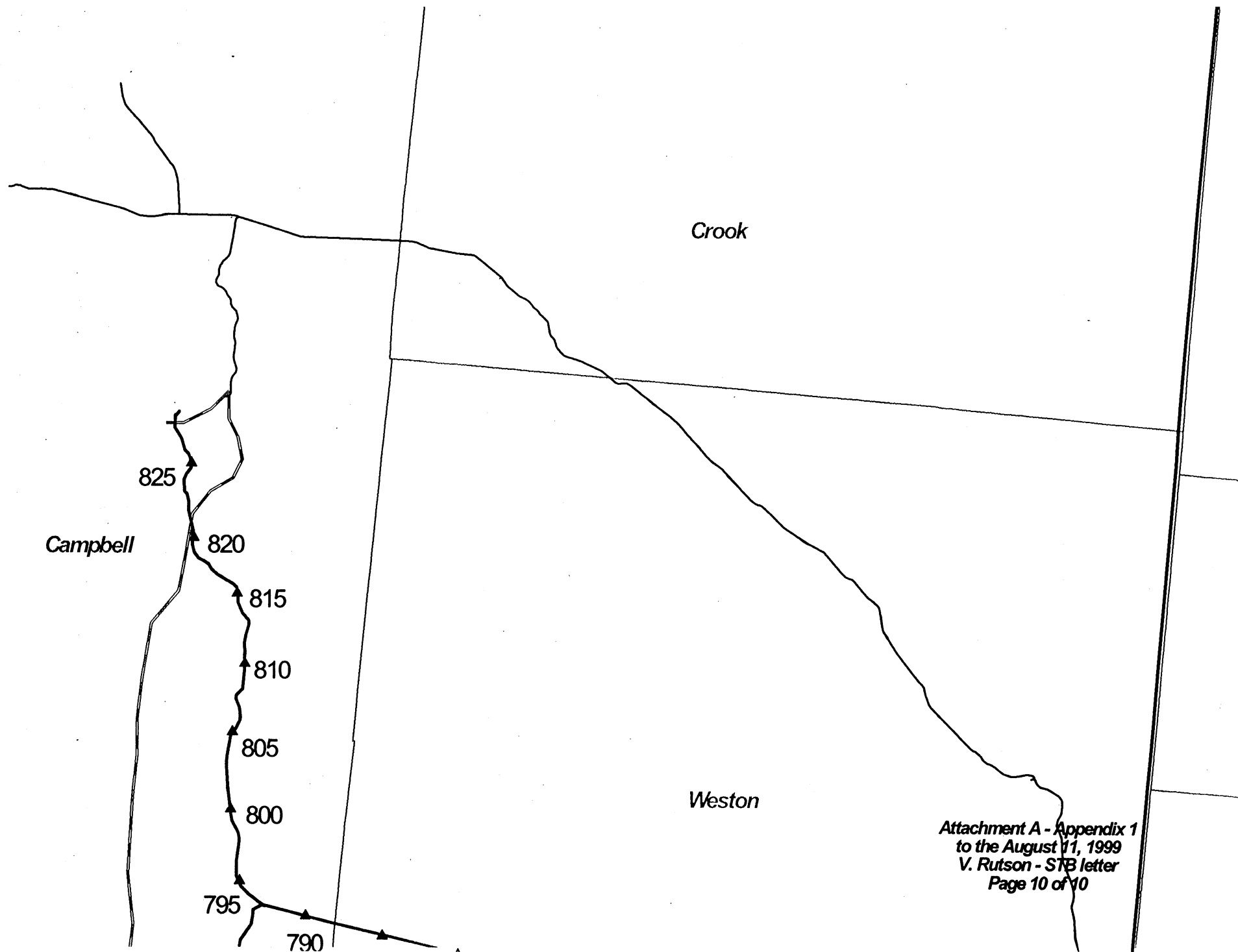




Shannon

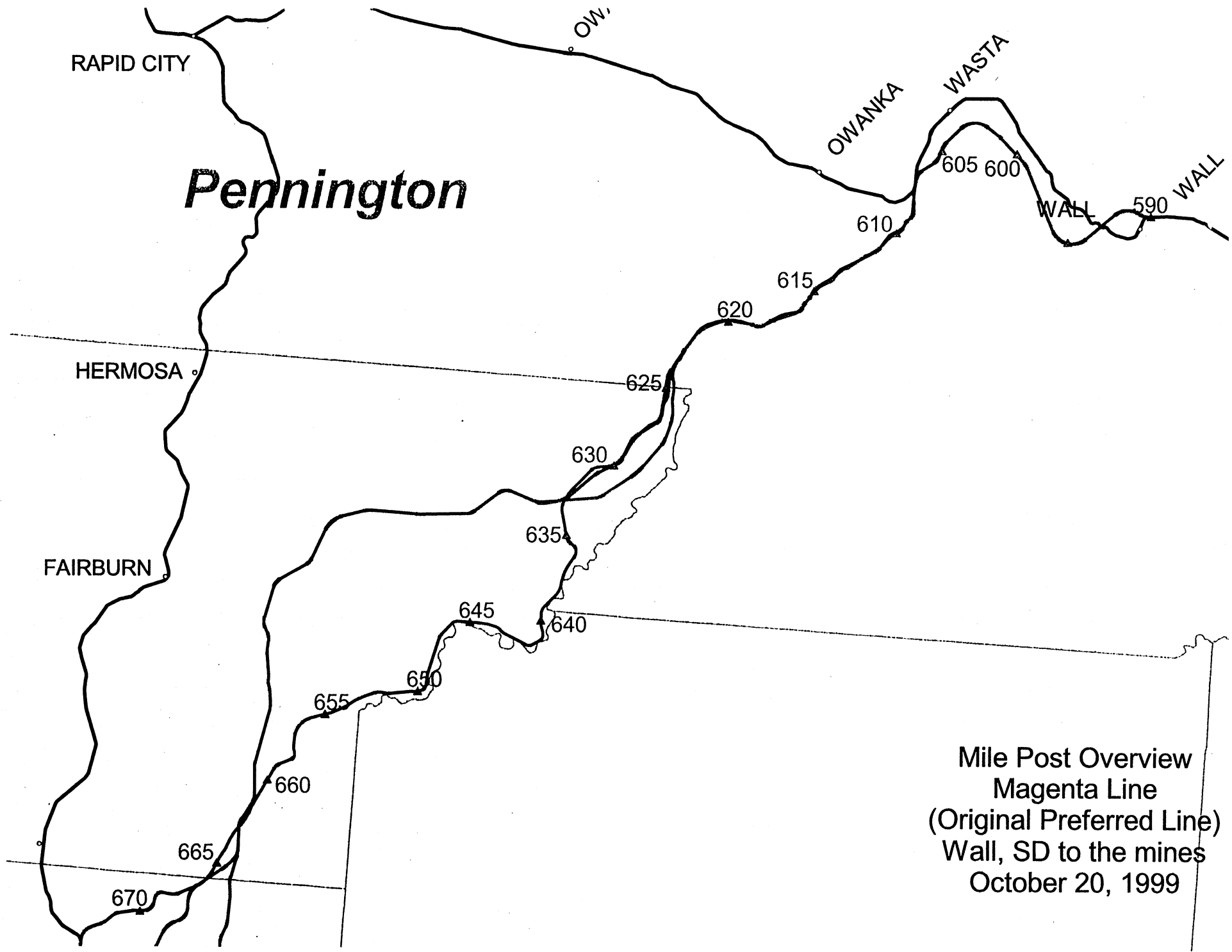
Attachment A - Appendix 1
to the August 11, 1999
V. Rutson - STB letter
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Alternative B (Applicant's Original Preferred Alternative)

Mile Post Overview Map



Pennington

RAPID CITY

HERMOSA

FAIRBURN

OWANKA

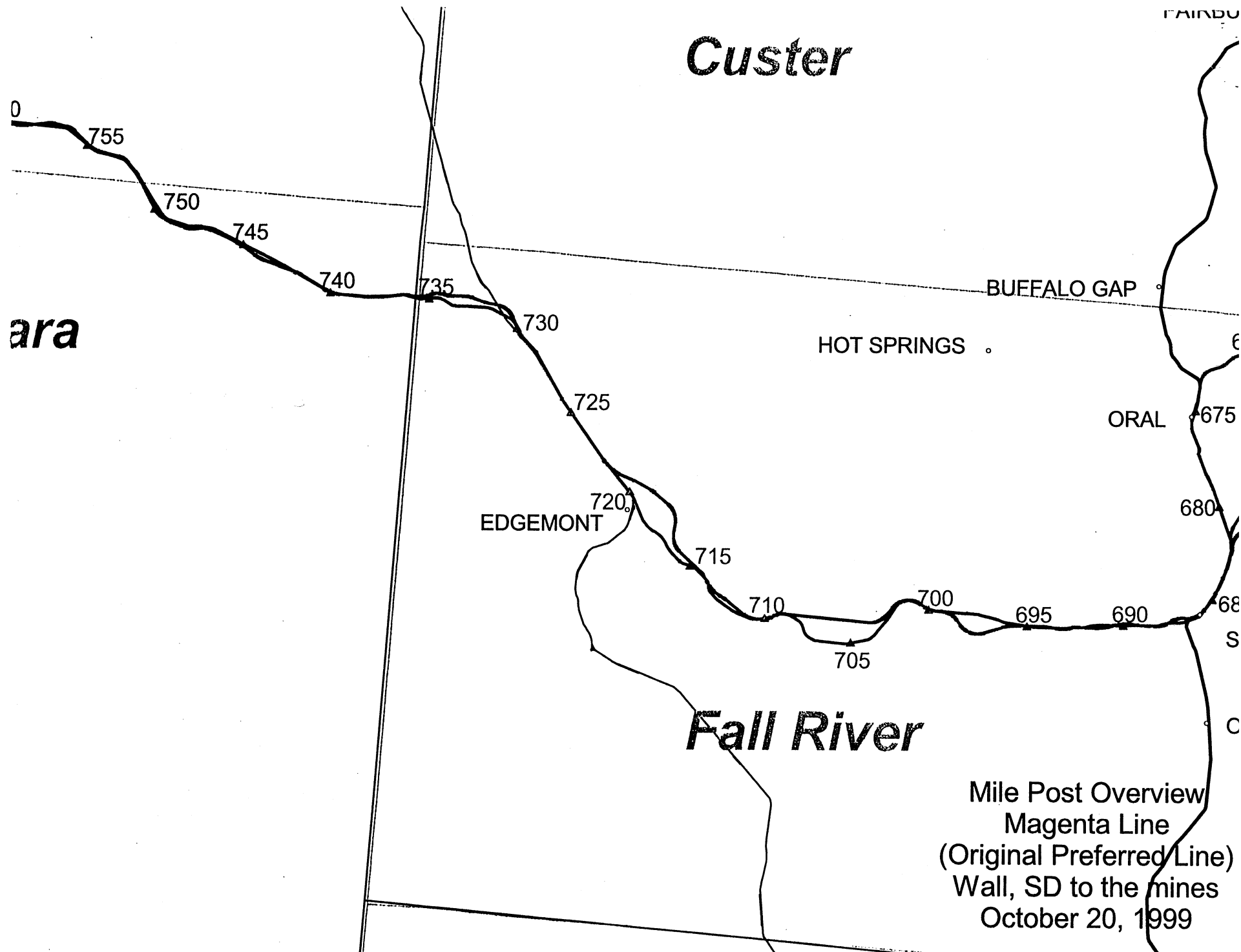
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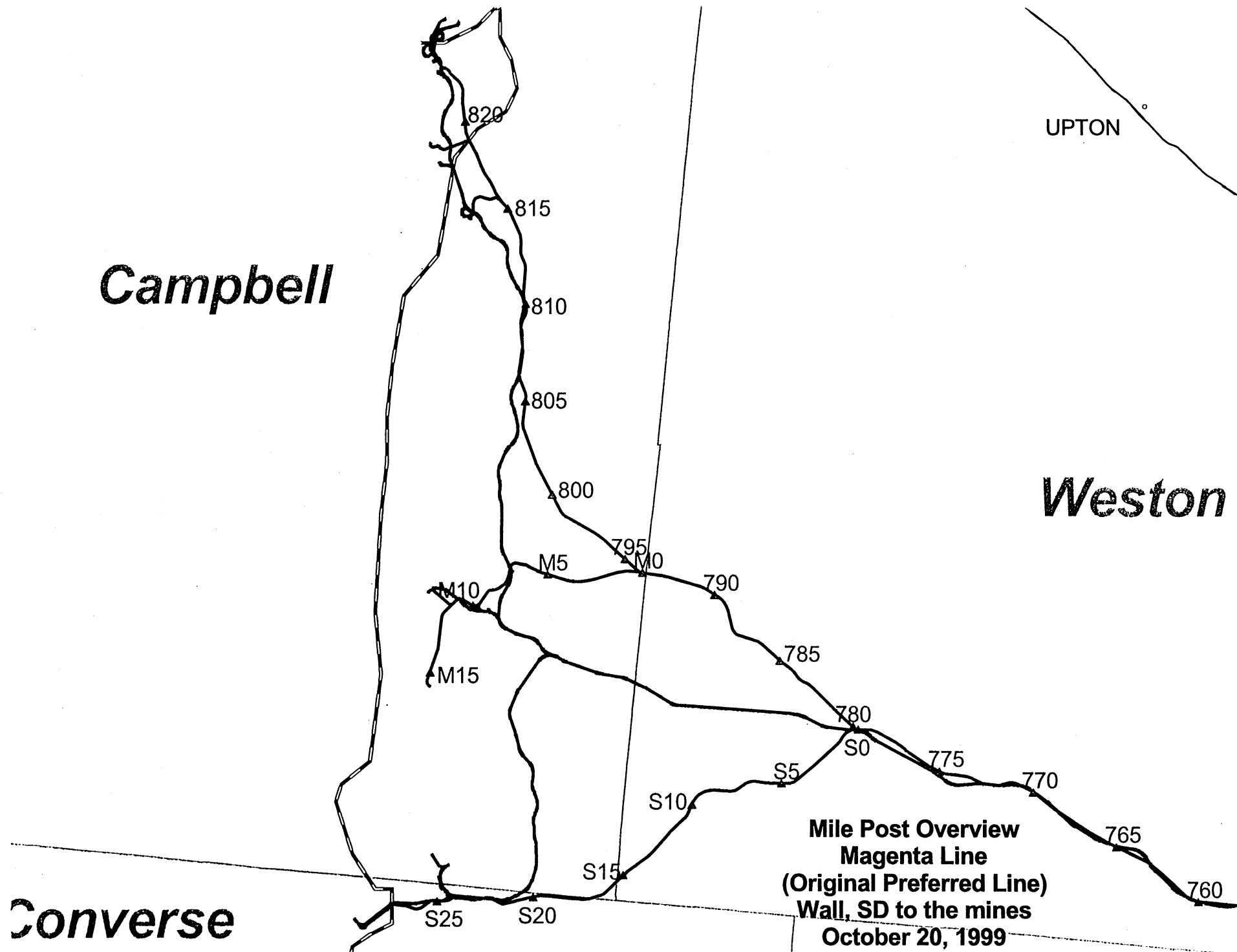
WASTA

WALL

WALL

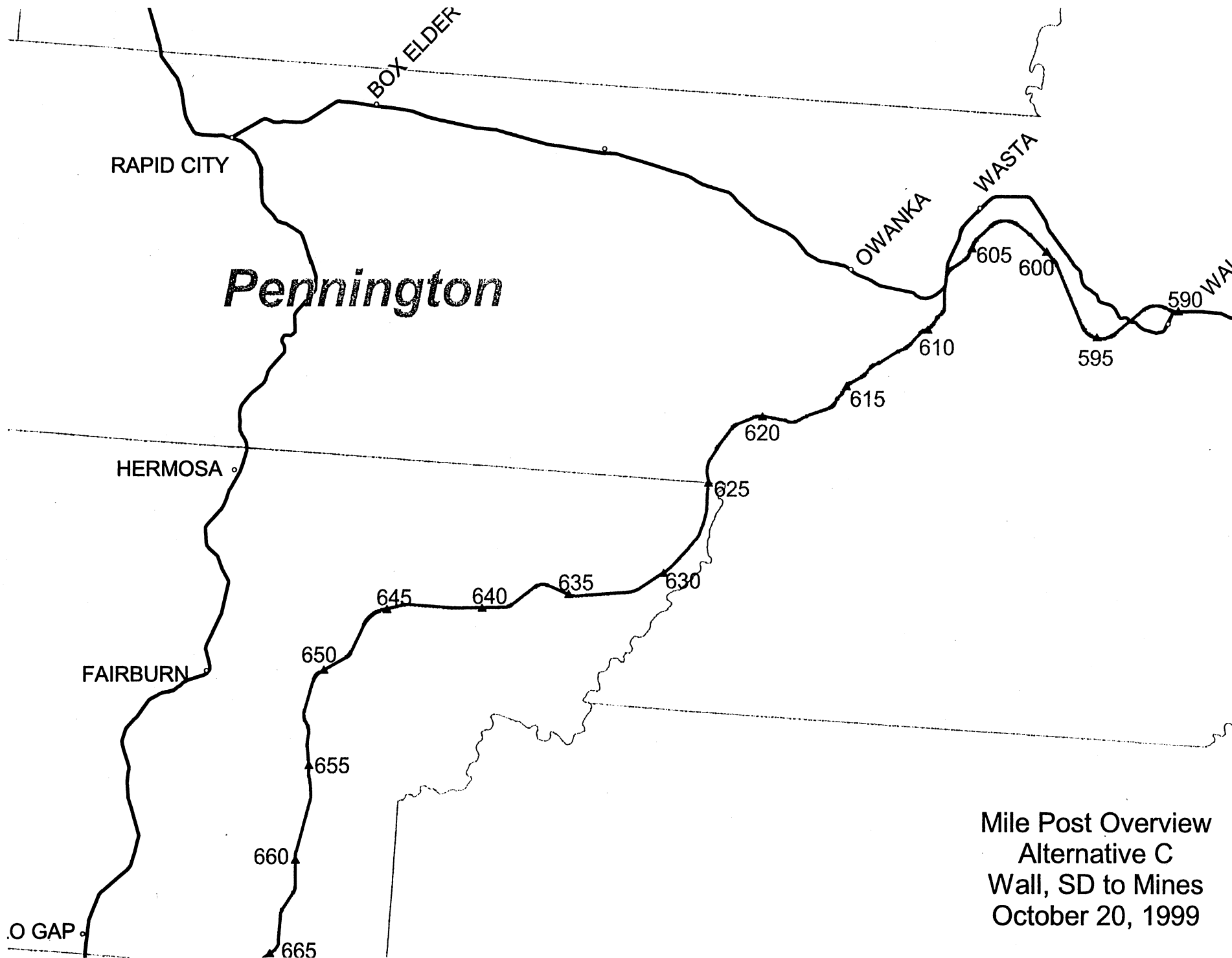
Mile Post Overview
Magenta Line
(Original Preferred Line)
Wall, SD to the mines
October 20, 1999



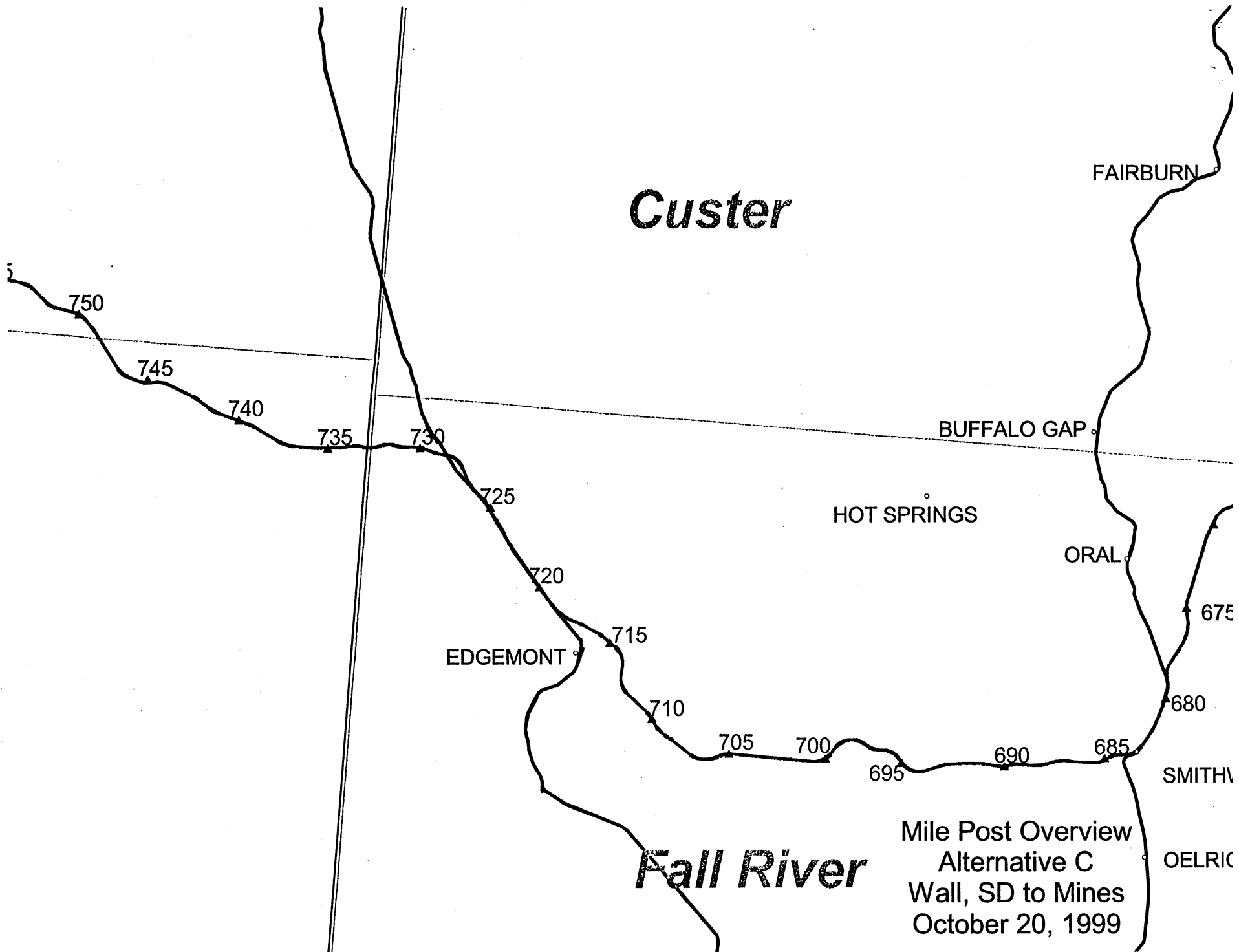


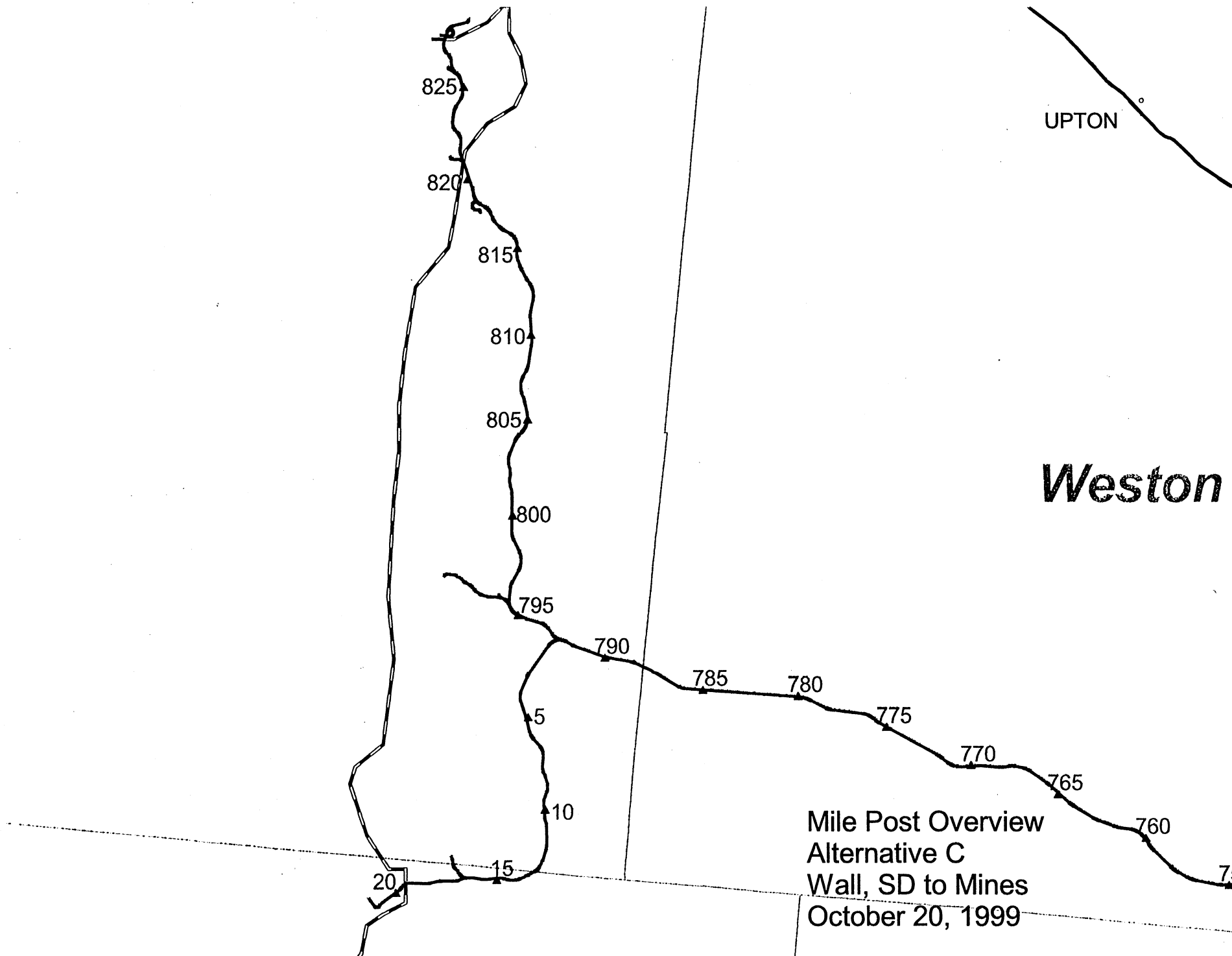
Alternative C

Mile Post Overview Map



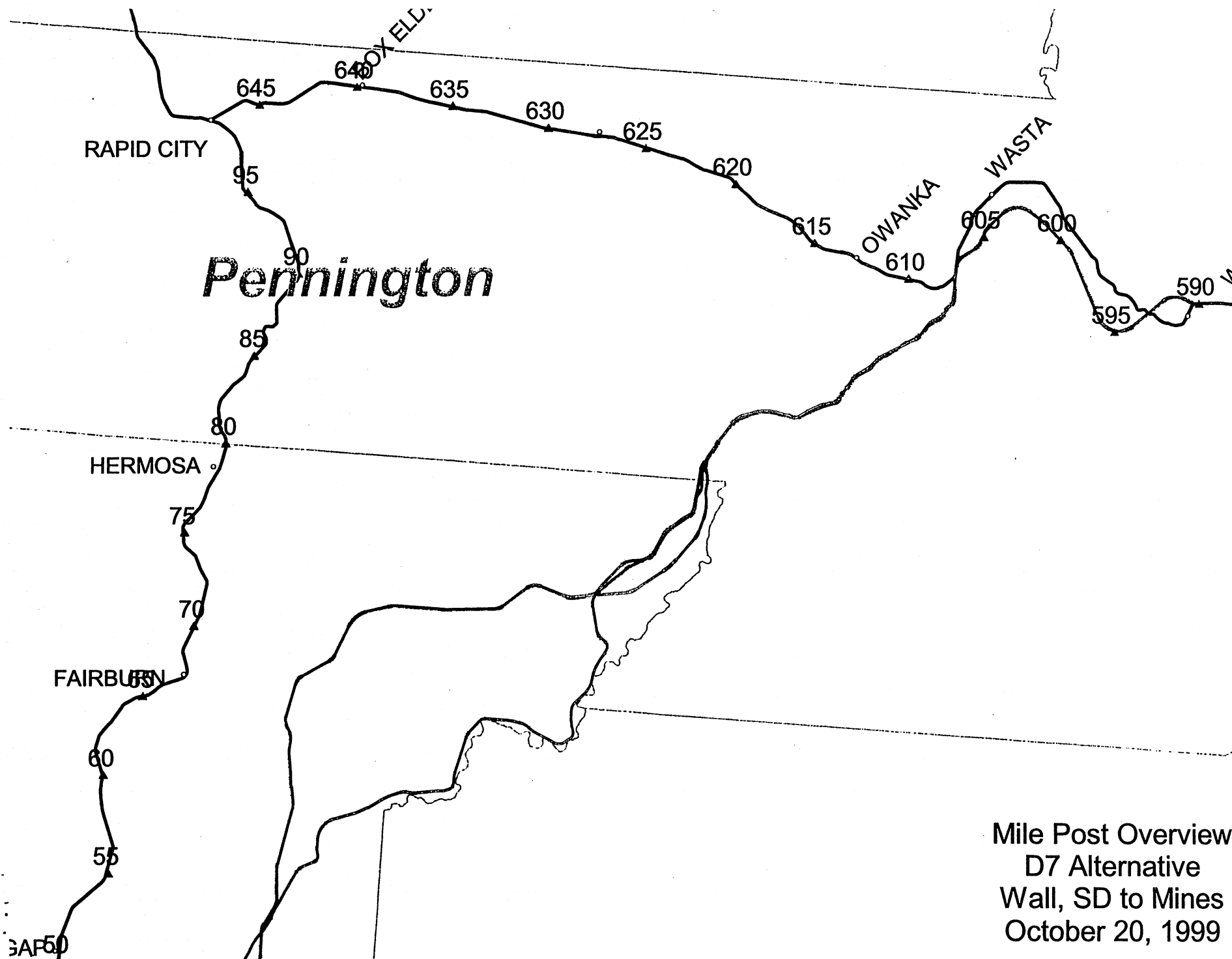
Mile Post Overview
Alternative C
Wall, SD to Mines
October 20, 1999

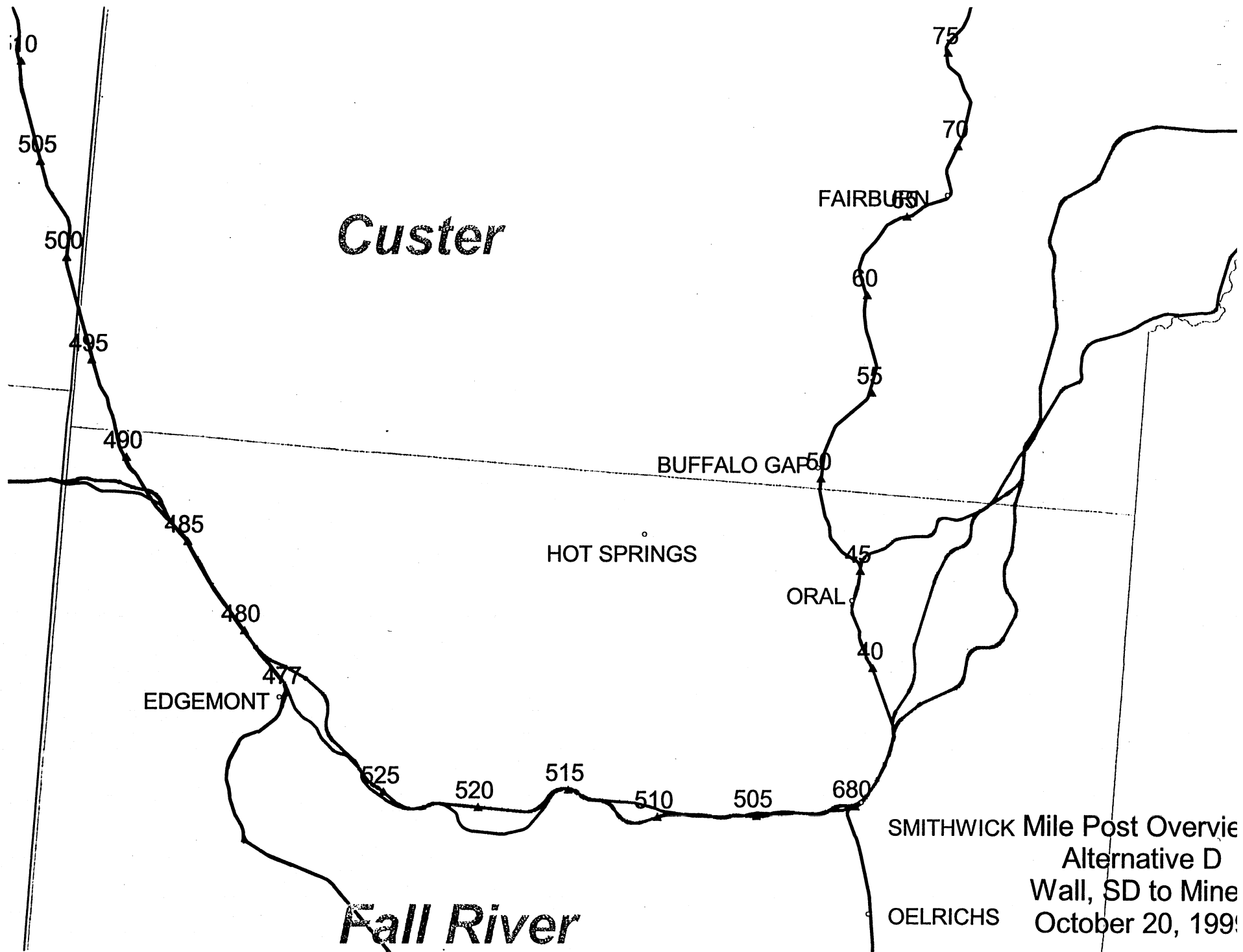


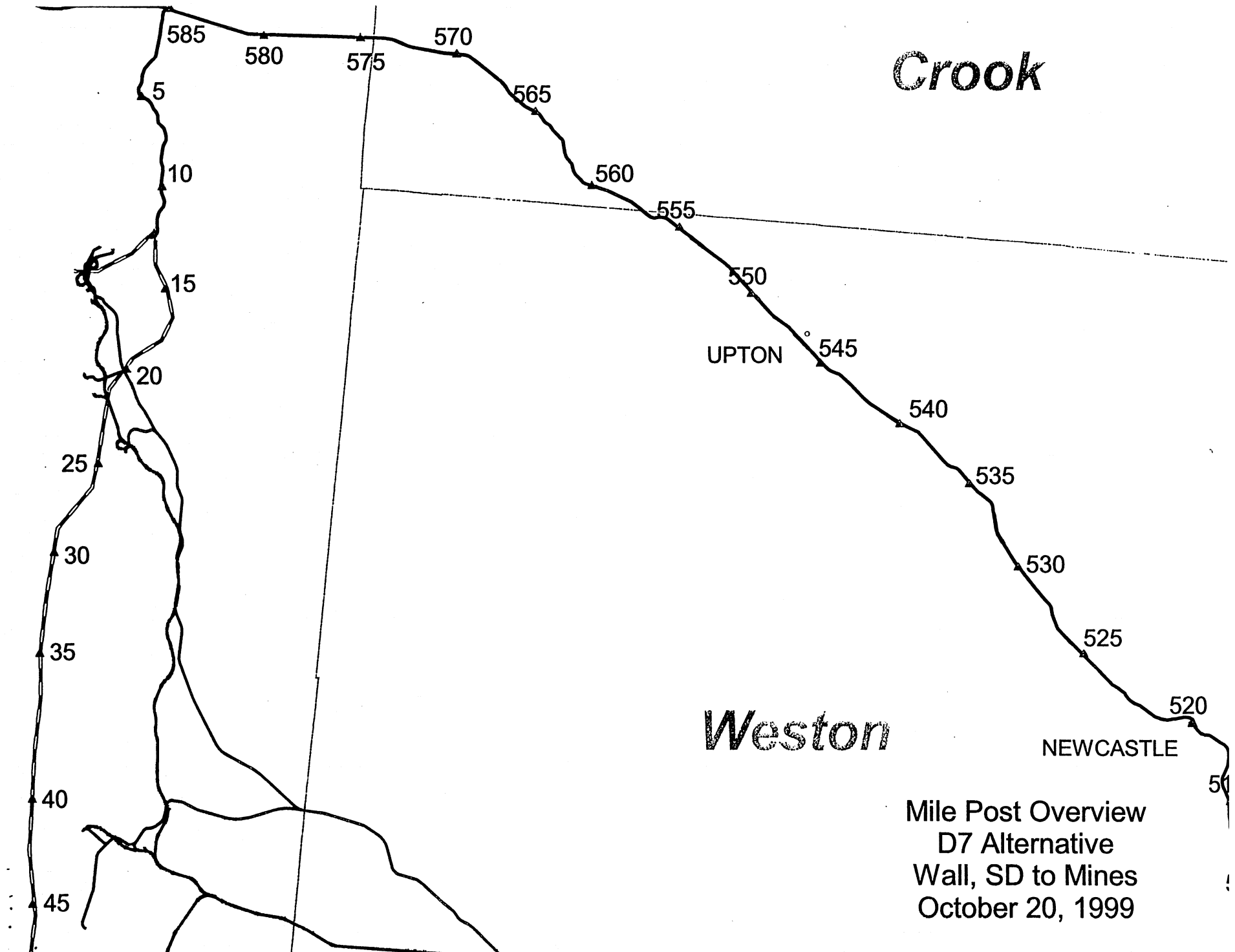


Alternative D
(via existing rail corridors through Rapid City,
Smithwick, Edgemont, Newcastle, Moorcroft)

Mile Post Overview Map







Weston

NEWCASTLE

Mile Post Overview
D7 Alternative
Wall, SD to Mines
October 20, 1999

